

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Application Number : (unassigned)  
 Applicant : Gaeil AHN, et al.  
 Filed : May 19, 2005  
 Tech Cntr/AU : (unassigned)  
 Examiner : (unassigned)  
 Entitled : METHOD AND APPARATUS FOR PROTECTING  
 LEGITIMATE TRAFFIC FROM DOS AND DDOS ATTACKS  
 Attorney Reference : 122991-05062663  
 Customer Number : 43569

#3

**MAIL STOP PCT**

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Sir:

Pursuant to 37 CFR §1.97 and 1.56, the attention of the U.S. Patent and Trademark Office is hereby directed to the following disclosures made herein, which include:

**REFERENCES AND RELEVANCY**

- ☒ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. Copies of the listed documents are attached, where required, as are any readily available full or partial English translations of any non-English language documents.
- ☐ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. The references cited herein were cited for consideration in the parent application, and, pursuant to 37 CFR 1.98(d), copies of the cited references can be found in the file of the parent application (U.S. Serial No. , filed ).
- ☒ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. The references cited herein were cited in the International Search Report issued for the corresponding International application, and copies of the International Search Report and the cited references are attached for the Examiner's consideration.
- ☐ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. The references cited herein were cited in a communication from a foreign or international patent office in a counterpart foreign or international application(s), and copies of both the relevant communication and the cited references, where required, are attached for the Examiner's consideration.

## CERTIFICATION

The undersigned certifies that, pursuant to 37 CFR §1.97(e)(1),

- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign or international patent office in a counterpart foreign or international application not more than three months prior to the filing of this Statement.

## RELATED CASES

- ☐ Identified in the attached Appendix are related applications directed to related technical subject matter. Copies of the related applications, where required, are attached for the Examiner's consideration. *The identification of the related U.S. patent applications is not to be construed as a waiver of secrecy for those applications, now or upon issuance of the present application as a patent.*

## BASIS FOR CONSIDERATION

This Information Disclosure Statement is filed:

- ☒ within three months of the filing date of the application and/or before the mailing date of a first Official Action on the merits, and no fee is required [37 C.F.R. §1.97(b)].
- ☐ with the appropriate certification, and no fee is required [37 C.F.R. §1.97(e)(1)].
- ☐ after the mailing date of the first Official Action on the merits, but prior to the issuance of a Notice of Allowance, and the requisite fee is authorized herein for payment [37 C.F.R. §1.97(c)].
- ☐ after the mailing date of the Notice of Allowance, but prior to the payment of the issue fee, the requisite certification under 37 CFR §1.97(e)(1) is made herein, and the requisite fee is authorized herein for payment [37 C.F.R. §1.97(d)].
- ☐ with a Request for Continued Examination (RCE), and no fee is required [37 C.F.R. §1.97(b)(4)].

## FEE AUTHORIZATION

- ☒ Authorization is hereby given to charge any deficient fee(s) under 37 CFR §1.16 and §1.17 as necessary to ensure the consideration of this disclosure, or to credit any fee overpayments, to Deposit Account No. 503-121.
- ☐ Authorization is hereby given to charge the requisite fee of \$180 (Fee Code 1806) for submission of this Information Disclosure Statement to Deposit Account No. 503-121.

It is respectfully requested that this information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.


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The Examiner is further respectfully requested to return of a copy of the enclosed Form PTO-1449 with the Examiner's initials in the left column.

The examination and allowance of this Application is respectfully requested.

Respectfully Submitted,

MAYER BROWN ROWE & MAW LLP

By:   
Yoon S. Ham  
Registration No. 45,307

Intellectual Property Group  
1909 K Street, N.W.  
Washington, D.C. 20006  
Tel: (202) 263-3280  
Fax: (202) 263-5280

Date: May 19, 2005

Attachment(s): PTO Form 1449  
International Search Report  
Cited References

10/535455  
JCSS Re PCT/PTO 19 MAY 2005**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Attorney Reference: 122991-05062663

Applicant: Gaeil AHN, et al.

Application Serial No. : New application

Filing Date: May 19, 2005

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Examiner: unassigned

Group Art Unit: unassigned

**U.S. PATENT DOCUMENTS**

Examiner's Initials*		Document Number	Date MM/DD/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR	2002/0112061	08/15/2002	Shih, et al.	G06F	15/16	02/09/2001
	BR						
	CR						
	DR						
	ER						
	FR						

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date MM/DD/YYYY	Country	Translation Readily Available		English Abstract	
					Enclosed	No	Enclosed	No
	GR	02/35755	05/02/2002	WO	X		X	
	HR	02/03084	01/10/2002	WO	X		X	
	IR	02/19661	03/07/2002	WO	X		X	
	JR	02/33870	04/25/2002	WO	X		X	
	KR	1020020058765 (Abstract Only)	12/07/2002	KR		X	X	
	LR							
	MR							

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

	NR	Gaeil Ahn, et al.; "Effective Traffic Control Scheme for Protecting Legitimate Traffic from Malicious Traffic on Internet"; Proceedings of the 2002 WSEAS International Conference on Information Security Hardware/Software Codesign, E-Commerce and Computer Networks; Oct 15-17, 2002; pp. 1611-1616.
	OR	David K. Y. Yau, et al.; "Defending Against Distributed Denial-of-Service Attacks with Max-min Fair Server-centric Router Throttles"; 2002 IEEE; pp.35-44.
	PR	Shung Li, et al.; "Active Gateway: A Facility for Video Conferencing Traffic Control"; Computer Software and Applications Conferences, 1997, COMPSAC'97, Proceedings; The Twenty-First Annual International Washington, DC, USA 13-15 Aug. 1997; Los Alamitos, CA, USA; IEEE Comput. Soc., US; pp. 308-311.
	QR	Jun Xu, et al.; "A Novel Cache Architecture to Support Layer-Four Packet Classification at Memory Access Speeds"; INFOCOM 2000. Nineteenth Annual Joint Conference of the IEEE Computer and Communications Societies; Proceedings. IEEE Tel Aviv, Israel 26-30, March 2000, Piscataway, NJ. USA; IEEE, US pp. 1445-1454.
	RR	
	SR	

Examiner

Date Considered:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.